

## GLOD4 Human

**Description:** GLOD4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 318 amino acids (1-298) and having a molecular mass of 35.3 kDa. The GLOD4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-901

For research use only.

**Synonyms:** Glyoxalase domain containing protein 4, HC71, C17orf25, CGI-150, Chromosome 17 open reading frame 25.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAARRALHFV FKVGNRFQTA  
RFYRDVLGMK VLRHEEFEEG CKAACNGPYD GKWSKTMVGF GPEDDHFVAE LTYNYGVGDY  
KLGNDFMGIT LASSQAVSNA RKLEWPLTEV AEGVFETEAP GGYKFYLNQR SLPQSDPVLK  
VTLAVSDLQK SLNYWCNLLG MKIYEKDEEK QRALLGYADN QCKLELQGVK GGVDHAAAFG  
RIAFSCPQKE LP

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The GLOD4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

GLOD4 is a part of the glyoxalase system which is a group of enzymes that is in charge of the detoxification of methylglyoxal and other reactive aldehydes that are usually produced in metabolism. The mitochondrial protein GLOD4 is known to interact with NUDT9.

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